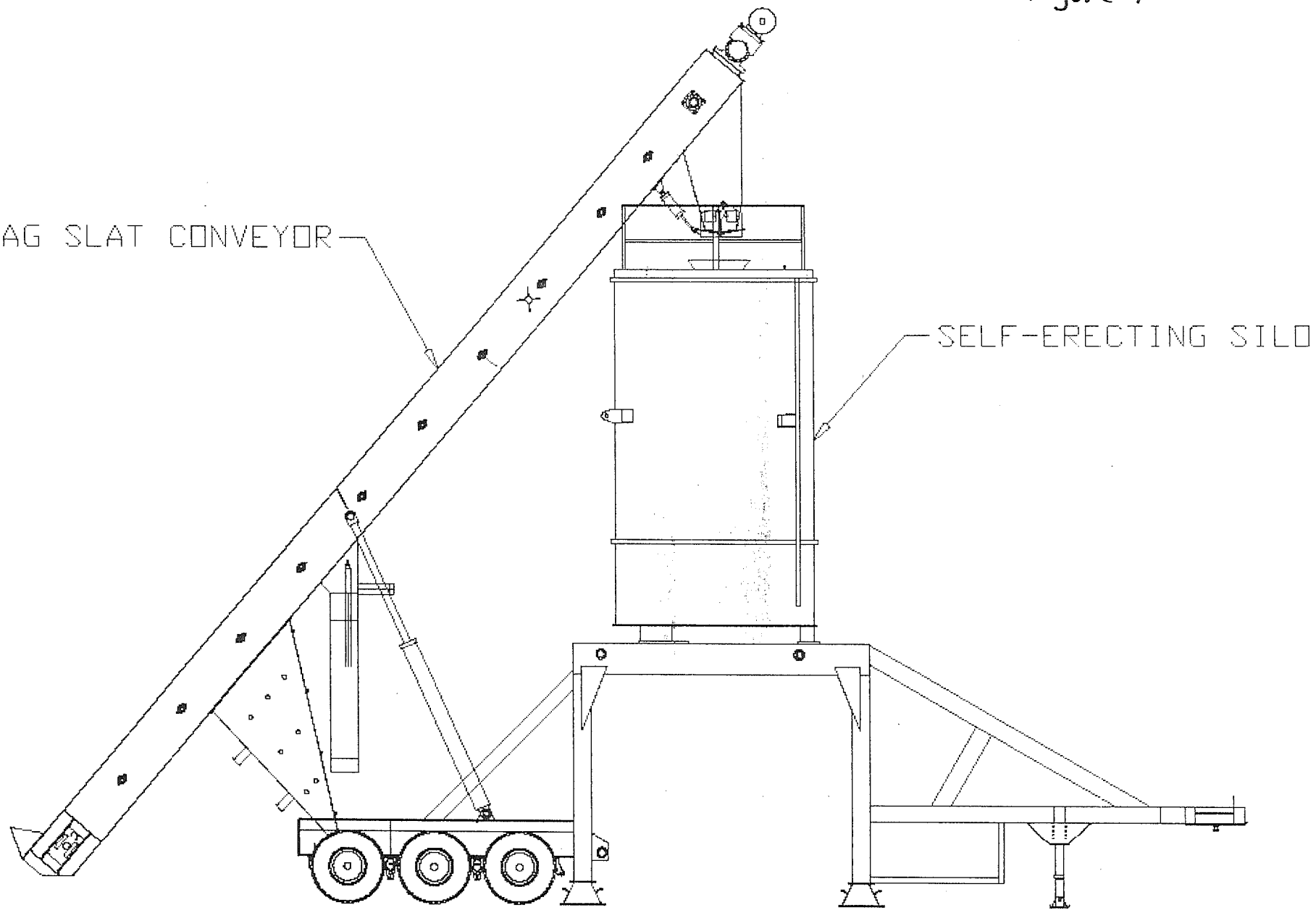
Figure 7



Appendix (3)

1) Complete IDEQ Permit to Construct Worksheets
2) ADM, Inc., Information: a) Emissions Specifications
   b) Emissions Guarantee
3) Modeling Protocol & Protocol Approval

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/03/07

Please see instructions on page 2 before filling out the form.

DEQ USE ONLY
Date Received
Project Number
Payment / Fees Included? Yes ☐ No ☐
Check Number

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER

1. Company Name	Gordon Paving Co., Inc.		
2. Facility Name	Ashpahlt plant at Northwest	3. Facility ID No.	777-00430
4. Brief Project Description - One sentence or less	Installation of a new hot mix asphalt plant		

PERMIT APPLICATION TYPE

5. ☒ New Facility ☐ New Source at Existing Facility ☐ Unpermitted Existing Source
☐ Modify Existing Source: Permit No.:_____ Date Issued:_____
☐ Required by Enforcement Action: Case No.:_____

6. ☒ Minor PTC ☐ Major PTC

FORMS INCLUDED

Included	N/A	Forms	DEQ Verify
☒	☐	Form GI – Facility Information	☐
☒	☒	Form EU0 – Emissions Units General	☐
☐	☒	Form EU1 - Industrial Engine Information Please Specify number of forms attached: _____	☐
☒	☒	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	☐
☐	☒	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU4 - Cooling Tower Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU5 – Boiler Information Please Specify number of forms attached: _____	☐
☒	☐	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	☐
☐	☒	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	☐
☒	☐	Form BCE - Baghouses Control Equipment	☐
☐	☒	Form SCE - Scrubbers Control Equipment	☐
☒	☐	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	☐
☒	☐	PP – Plot Plan	☐
☒	☐	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	☐
☒	☐	Form FRA – Federal Regulation Applicability	☐

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION	
1. Company Name	Gordon Paving Co., Inc.
2. Facility Name (if different than #1)	Asphalt plant at Northwest
3. Facility I.D. No.	777-00430
4. Brief Project Description:	Install a new hot mix asphalt plant
FACILITY INFORMATION	
5. Owned/operated by: (√ if applicable)	☐ Federal government ☐ County government ☐ State government ☐ City government
6. Primary Facility Permit Contact Person/Title	Robert Hansen Project Manager
7. Telephone Number and Email Address	208-733-1800 (office) 208-420-3321 (cell) gordonpavingrob@gmail.com
8. Alternate Facility Contact Person/Title	Terry D. Straubhaar Vice President
9. Telephone Number and Email Address	208-733-1800 (office) 208-731-9564 (cell) gordonpavingterry@gmail.com
10. Address to which permit should be sent	837 Madrona St. S.
11. City/State/Zip	Twin Falls, ID 83301
12. Equipment Location Address (if different than #10)	1310 Addison Ave. E
13. City/State/Zip	Twin Falls, ID 83301
14. Is the Equipment Portable?	☒ Yes ☐ No
15. SIC Code(s) and NAISC Code	Primary SIC: 2951 Secondary SIC (if any): NAICS: 324121
16. Brief Business Description and Principal Product	Hot mix asphalt sales, site preparation, and asphalt paving.
17. Identify any adjacent or contiguous facility that this company owns and/or operates	
PERMIT APPLICATION TYPE	
18. Specify Reason for Application	☒ New Facility ☐ New Source at Existing Facility ☐ Unpermitted Existing Source ☐ Modify Existing Source: Permit No.:_____ Date Issued: _____ ☐ Permit Revision ☐ Required by Enforcement Action: Case No.:_____

CERTIFICATION

IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.

19. Responsible Official's Name/Title	Terry D. Straubhaar Vice President	
20. RESPONSIBLE OFFICIAL SIGNATURE	Terry D. Straubhaar	Date: 4/21/08
21. ☐ Check here to indicate you would like to review a draft permit prior to final issuance.		

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Gordon Paving Co., Inc.	Asphalt plant at Northwest	777-00430
Brief Project Description:	Installation of a new hot mix asphalt plant	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	ADM ASPHALT PLANT
2. EU ID Number:	001
3. EU Type:	☒ New Source ☐ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	ADM
5. Model:	MM225
6. Maximum Capacity:	225 TONS PER HOUR
7. Date of Construction:	03/2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Baghouse ID# 585-9		
11. Date of Installation:		12. Date of Modification (if any):	
13. Manufacturer and Model Number:	ADM Model # BHP585-9		
14. ID(s) of Emission Unit Controlled:	585-9		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.5+	99	0	0	0	0

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	1200 HOURS/YEAR
19. Maximum Operation	1200 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

Emissions Units - Nonmetallic Mineral Processing Plant **Form EU2**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

This form requests information about equipment at a nonmetallic mineral processing plant, as defined in 40 CFR 60.671, that generates fugitive emissions only.

In addition, Form EU0 and appropriate control equipment forms should be used for each stack emission point from the same plant.

IDENTIFICATION		
Company Name:	Facility Name:	Facility ID No:
Gordon Paving Co., Inc.	Asphalt plant at Northwest	777-00430
Brief Project Description:	Installation of a new portable hot mix asphalt plant	

EQUIPMENT (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS					
1. Equipment Description	2. Construction Date	3. Serial Number	4. Equipment ID Number (company's)	5. Rated Capacity	6. Emission Control Type
Scalping Screen	2008	RB874-08	7157	24 sq. ft.	none
Note: At 50% recycle rate, flow across scalping screen is 112.5 tons per hour.					

OPERATING SCHEDULE (hours/day, or hours/week, or months/year, or other)	
7. Actual Operation	1,200 hours per year
8. Maximum Operation	1,200 hours per year

Hot Mix Asphalt Plant **Form HMAP**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/02/07

Please see instructions on page 4 before filling out the form.

GENERAL INFORMATION

Company Name:	Gordon Paving Co., Inc.		
Facility Name:	Asphalt plant at Northwest	**Facility ID No:**	777-00430
Brief Project Description:	Installation of a new portable hot mix asphalt plant		
Mailing Address:	837 Madrona St. S.		
City:	Twin Falls	**State:**	ID
Zip Code:	83301	**County:**	Twin Falls
General Nature of Business & Products:	Hot mix asphalt sales, site preparation, and asphalt paving		

Contact Name, Title:	Robert Hansen Project Manager		
Phone:	208-733-1800	**Cell:**	208-420-3321
Email:	gordonpavingrob@gmail.com		

Owner or Responsible Official Name, Title:	Terry D. Straubhaar
Phone:	208-733-1800
Email:	gordonpavingterry@gmail.com

Proposed Initial Plant Location:	1310 Addison Ave. E. Twin Falls, ID		
Nearest City:	Twin Falls	**Estimated Startup Date:**	April 2008
County:	Twin Falls		

Reason for Application:	☒ Permit to construct a new source ☐ Permit to operate an existing unpermitted source ☐ Permit to modify/revise an existing permitted source (identify the permit below) Permit No.: _____ Issue Date: _____ Facility ID: _____
☐ Check here to indicate you would like to review a draft permit prior to final issuance.	
Comments:	

HOT-MIX ASPHALT PLANT INFORMATION

Manufacturer:	ADM	**Model:**	MM25 Counter-flow portable
Manufacture Date:	3/2008	**Type HMA Plant:**	☒ Drum Mix ☐ Batch Mix
Maximum Hourly Asphalt Production:	225 (tons/hour)		
Requested Annual Asphalt Production:	270,000 (tons/year)		
Burner Fuel Type:	used oil (natural gas, #2 fuel oil, used oil, etc.)		
Maximum Burner Fuel Usage Rate:	382.5 ☐ scf/hour or ☒ gallons/hour		
Type Air Pollution Control Device:	baghouse (baghouse, scrubber, etc.)		
Control Device Manufacturer:	ADM	**Model:**	BHP585-9
Stack Parameters:	Stack Height from Ground (ft): 22.3	Stack Exhaust Flow Rate (acfm):	45,000
	Stack Inside Diameter (ft): 3.25	Stack Exhaust Gas Temperature (°F):	299.6

ASPHALT TANK HEATER

Fuel Type:	#2 fuel oil (natural gas, #2 fuel oil, used oil, etc.)	
Maximum Fuel Usage Rate:	14.6 (units/hour) (units/year) ☒ gallons ☐ ft^3 ☐ other:	
Type Air Pollution Control Device:	2.0 ☒ MMBtu ☐ HP	
Stack Parameters:	Stack Height from Ground (ft): 9	Stack Exhaust Flow Rate (acfm): 45,000
	Stack Inside Diameter (ft): 1	Stack Exhaust Gas Temperature (°F): 299.6

Is this an NSPS-affected facility? ☒ Yes ☐ No

To determine if the HMA facility is a New Source Performance Standards (NSPS)-affected facility, consider the following:

Were any of the following constructed or modified after June 11, 1973, such that the equipment becomes an affected facility as defined in 40 Code of Federal Regulations, Part 60, Section 90 (40 CFR 60.90) *Standards of Performance for Hot-Mix Asphalt Facilities*:

- Dryers
- Systems for screening, handling, storing, and weighing of hot aggregate
- Systems for loading, transferring, and storing of mineral filler
- Systems for mixing hot-mix asphalt
- Leading, transfer, and storage systems associated with emission control systems

Modification is defined in 40 CFR 60.14. The Code of Federal Regulations can be accessed from the website http://www.gpoaccess.gov/cfr/.

Has a performance test been conducted in accordance with 40 CFR 60.93 that demonstrates particulate matter emissions are less than or equal to 0.04 gr/dscf (grains per dry standard cubic foot) at the HMA stack?

☐ Yes ☒ No

If Yes, state the date the test was conducted: _____.

Provide a copy of the performance test results with this application if you want DEQ to consider it in determining the frequency of performance testing requirements for your hot-mix asphalt plant.

ELECTRICAL GENERATOR SET INFORMATION (If Applicable)

Manufacturer:	N/A	**Model:**	
Maximum Rated Capacity:	☐ Hp ☐ kW		
Fuel Type:	☐ Gasoline ☐ Diesel ☐ Natural Gas ☐ Propane		
Maximum Fuel Usage Rate:	☐ gal./hr. ☐ cfh		
Maximum Daily Hrs. of Operations:	(hours/day)		
Maximum Annual Hrs. of Operations:	(hours/year)		
Stack Parameters:	Stack Height from Ground (ft): _____	Stack Exhaust Flow Rate (acfm): _____	
	Stack Inside Diameter (ft): _____	Stack Exhaust Gas Temperature (°F): _____	

Manufacturer:	N/A	**Model:**	
Maximum Rated Capacity:	☐ Hp ☐ kW		
Fuel Type:	☐ Gasoline ☐ Diesel ☐ Natural Gas ☐ Propane		
Maximum Fuel Usage Rate:	☐ gal./hr. ☐ cfh		
Maximum Daily Hrs. of Operations:	(hours/day)		
Maximum Annual Hrs. of Operations:	(hours/year)		
Stack Parameters:	Stack Height from Ground (ft): _____	Stack Exhaust Flow Rate (acfm): _____	
	Stack Inside Diameter (ft): _____	Stack Exhaust Gas Temperature (°F): _____	

☒ **$1,000 PTC application fee enclosed**

Certification of Truth, Accuracy, and Completeness (by Responsible Official)
I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.

Responsible Official Signature

VICE-PRESIDENT
Responsible Official Title

4/21/08
Date

Terry D. Straubhaar
Print or Type Responsible Official Name

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/02/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Gordon Paving Co., Inc.	**Facility Name:** Asphalt plant at Northwest	**Facility ID No.:** 777-00430
Brief Project Description:		

IDENTIFICATION				BAGHOUSE			BAGS			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Emission Unit	**EU ID No.**	**CE ID No.**	**Stack ID No.**	**Baghouse Manufacturer**	**Baghouse Model No.**	**Type**	**Type**	**Size (Dia x Ht)**	**No. of Bags**	**Air to Cloth**
ADM Asphalt Plant	001	585-9	001	ADM	BHP585-9	Pulse Jet	15 oz. Nomex	.5 x 9'	585	5.44:1

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	**Gordon Paving Co., Inc.**
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													
name of the emissions unit1	Please Refer to "Current PTC Application Estimates spreadsheets in Appedix 3 of this application.												
name of the emissions unit2													
name of the emissions unit3													
name of the emissions unit4													
name of the emissions unit5													
name of the emissions unit6													
name of the emissions unit7													
name of the emissions unit8													
name of the emissions unit9													
name of the emissions unit10													
name of the emissions unit11													
name of the emissions unit12													
name of the emissions unit13													
name of the emissions unit14													
name of the emissions unit15													
name of the emissions unit16													
name of the emissions unit17													
name of the emissions unit18													
name of the emissions unit19													
name of the emissions unit20													
name of the emissions unit21													
(insert more rows as needed)													
Total													

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	**Gordon Paving Co., Inc.**
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													

Instructions for Form EI-CP1

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separated.

1. Provide the name of all emission units at the facility. This name must match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the stack which the emission unit exits.

3. Provide the emission rate in pounds per hour and tons per year for all criteria pollutants emitted by this point source. In this form, emission rates for a point source are the maximum allowable emissions for both short term (pounds per hour) and long term (tons per year). These emission rates are its permitted limits (if any). Otherwise, potential to emit should be shown. Potential to emit is defined as uncontrolled emissions at maximum design or achievable capacity (whichever is higher) and year-round continuous operation (8760 hours per year) if there are no federally enforceable permit limits on the emission point. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, the control efficiency or proposed permit limit(s) may be used in calculating potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 2 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													
name of fugitive source1	Please Refer to "Current PTC Application Estimates spreadsheets in Appedix 3 of this application.												
name of fugitive source2													
name of fugitive source3													
name of fugitive source4													
name of fugitive source5													
name of fugitive source6													
name of fugitive source7													
name of fugitive source8													
name of fugitive source9													
name of fugitive source10													
name of fugitive source11													
name of fugitive source12													
name of fugitive source13													
name of fugitive source14													
name of fugitive source15													
name of fugitive source16													
name of fugitive source17													
name of fugitive source18													
name of fugitive source19													
name of fugitive source20													
name of fugitive source21													
(insert more rows as needed)													
Total													

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 2 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													

Instructions for Form EI-CP2

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separated.

Fugitive emissions are those emissions that cannot reasonably be made to pass through a stack or vent or equivalent opening. Examples include coal piles, unpaved roads, etc. Fugitive emission sources at your plant must be included in this form.

1. Provide the name of all fugitive sources at the facility. This name must match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the fugitive source. This ID number should match ID numbers on other submittals to IDEQ and within this application.

3. Provide the emission rate in pounds per hour and tons per year for all criteria pollutants emitted by this fugitive source. In this form, emission rates for a fugitive source are the maximum allowable emissions for both short term (pounds per hour) and long term (tons per year). These emission rates are its permitted limits (if any). Otherwise, potential to emit should be shown. Potential to emit is defined as uncontrolled emissions at maximum design or achievable capacity (whichever is higher) and year-round continuous operation (8760 hours per year) if there are no federally enforceable permit limits on the emission point. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, then, the control efficiency or proposed permit limit(s) may be used in calculating potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													
name of the emissions unit1	Please Refer to "Current PTC Application Estimates spreadsheets in Appedix 3 of this application.												
name of the emissions unit2													
name of the emissions unit3													
name of the emissions unit4													
name of the emissions unit5													
name of the emissions unit6													
name of the emissions unit7													
name of the emissions unit8													
name of the emissions unit9													
name of the emissions unit10													
name of the emissions unit11													
name of the emissions unit12													
name of the emissions unit13													
name of the emissions unit14													
name of the emissions unit15													
name of the emissions unit16													
name of the emissions unit17													
name of the emissions unit18													
name of the emissions unit19													
name of the emissions unit20													
name of the emissions unit21													
(insert more rows as needed)													
Total													

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Point Source(s)													

Instructions for Form EI-CP3

This form is designed to provide the permit writer and air quality modeler with a summary of the change in criteria pollutant emissions of each emission unit/point associated with this permit application. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separated.

1. Provide the name of the emission unit. This name should match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the stack which the emission unit exits.

3. Provide the increase in emissions in pounds per hour and tons per year for all criteria pollutants emitted by this emission unit. In this form, increase in emissions for an emission unit are the proposed PTE - Previously modeled PTE. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, then, the control efficiency or proposed permit limit(s) may be used in calculating proposed potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION
Revision 3
4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - FUGITIVE SOURCES

1.	2.	3. Air Pollutant Maximum Change in Emissions Rate (lbs/hr or t/yr)											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													
name of fugitive source1	Please Refer to "Current PTC Application Estimates spreadsheets in Appedix 3 of this application.												
name of fugitive source2													
name of fugitive source3													
name of fugitive source4													
name of fugitive source5													
name of fugitive source6													
name of fugitive source7													
name of fugitive source8													
name of fugitive source9													
name of fugitive source10													
name of fugitive source11													
name of fugitive source12													
name of fugitive source13													
name of fugitive source14													
name of fugitive source15													
name of fugitive source16													
name of fugitive source17													
name of fugitive source18													
name of fugitive source19													
name of fugitive source20													
name of fugitive source21													
(insert more rows as needed)													
Total													

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install a new hot mix asphalt facility

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - FUGITIVE SOURCES

1.	2.	3. Air Pollutant Maximum Change in Emissions Rate (lbs/hr or t/yr)											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													

Instructions for Form EI-CP4

This form is designed to provide the permit writer and air quality modeler with a summary of the change in criteria pollutant emissions of each emission unit/point associated with this permit application. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility name, facility ID Number, and brief project description as on Form CS in the boxes provided. This is useful in case any pages of the application get separated.

1. Provide the name of the emission unit. This name should match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the fugitive source. This ID should match IDs on other submittals to IDEQ and within this application.

3. Provide the increase in emissions in pounds per hour and tons per year for all criteria pollutants emitted by this fugitive source. In this form, increase in emissions for an emission unit are the proposed PTE - Previously modeled PTE. If the fugitive source has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, the control efficiency or proposed permit limit(s) may be used in calculating proposed potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install new hot mix asphalt facility

SUMMARY OF AIR IMPACT ANALYSIS RESULTS - CRITERIA POLLUTANTS

		1.		2.	3.	4.		5.
Criteria Pollutants	**Averaging Period**	**Significant Impact Analysis Results (µg/m3)**	**Significant Contribution Level (µg/m3)**	**Full Impact Analysis Results (µg/m3)**	**Background Concentration (µg/m3)**	**Total Ambient Impact (µg/m3)**	**NAAQS (µg/m3)**	**Percent of NAAQS**
PM_{10}	24-hour		5				150	
	Annual		1				50	
SO_2	3-hr		25				1300	
	24-hr		5				365	
	Annual		1				80	
NO_2	Annual		1				100	
CO	1-hr		2000				10000	
	8-hr		500				40000	

This form was completed following Screen 3 Modeling and submitted to Mr. Kevin Schilling on March 24, 2008 along with modeling protocol. Please contact Mr. Schilling regarding the modeling.

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 3/27/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install new hot mix asphalt facility

POINT SOURCE STACK PARAMETERS

1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.
Emissions units	**Stack ID**	**UTM Easting (m)**	**UTM Northing (m)**	**Base Elevation (m)**	**Stack Height (m)**	**Modeled Diameter (m)**	**Stack Exit Temperature (K)**	**Stack Exit Flowrate (acfm)**	**Stack Exit Velocity (m/s)**	**Stack orientation (e.g., horizontal, rain cap)**
Point Source(s)										
Drum Dryer	1.00				6.80	0.99	421.80		27.64	vertical
Asphalt Heater	2.00				2.74	0.30	591.30		6.16	raincap
name of the emissions unit3										
name of the emissions unit4										
name of the emissions unit5										
name of the emissions unit6										
name of the emissions unit7										
name of the emissions unit8										
name of the emissions unit9										
name of the emissions unit10										
name of the emissions unit11										
name of the emissions unit12										
name of the emissions unit13										
name of the emissions unit14										
name of the emissions unit15										
name of the emissions unit16										
name of the emissions unit17										
name of the emissions unit18										
name of the emissions unit19										
name of the emissions unit20										
name of the emissions unit21										
(insert more rows as needed)										

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Gordon Paving Co., Inc.
Facility Name:	Asphalt Plant at Northwest
Facility ID No.:	777-00430
Brief Project Description:	Install new hot mix asphalt facility

FUGITIVE SOURCE PARAMETERS

1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.
Emissions units	**Stack ID**	**UTM Easting (m)**	**UTM Northing (m)**	**Base Elevation (m)**	**Release Height (m)**	**Easterly Length (m)**	**Northerly Length (m)**	**Angle from North (°)**	**Initial Vertical Dimension (m)**	**Initial Horizontal Dimension (m)**
Area Source(s)										
name of the emissions unit1										
name of the emissions unit2										
name of the emissions unit3										
name of the emissions unit4										
name of the emissions unit5										
name of the emissions unit6										
name of the emissions unit7										
name of the emissions unit8										
name of the emissions unit9										
name of the emissions unit10										
Volume Source(s)										
Silo			To be addressed by DEQ Modeling Staff							
Aggregate and conveyors			To be addressed by DEQ Modeling Staff							
name of the emissions unit13										
name of the emissions unit14										
name of the emissions unit15										
name of the emissions unit16										
name of the emissions unit17										
name of the emissions unit18										
name of the emissions unit19										
(insert more rows as needed)										

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Godon Paving Co., Inc.
Facility Name:	Asphalt plant at Norhtwest
Facility ID No.:	777-00430
Brief Project Description:	Install new hot mix asphalt facility.

BUILDING AND STRUCTURE INFORMATION

1.	2.	3.	4.	5.	6.	7.
Building ID Number	**Length (ft)**	**Width (ft)**	**Base Elevation (m)**	**Building Height (m)**	**Number of Tiers**	**Description/Comments**
Building 1 ID	None					No emissions sources within 5L of any buildings.
Building 2 ID						
Building 3 ID						
(insert more rows as needed)						

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Gordon Paving Co., Inc.	Facility Name: Asphalt plant at Northwest	Facility ID No: 777-00430
Brief Project Description: Install a new portable HMA facility		

APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	☒ NO	☐ YES* * If YES, applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	☐ NO	☒ YES* *If YES, please identify sub-part: Subpart I
3. Will this project be subject to a MACT (Maximum Achievable Control Technology) regulation? (40 CFR part 63) THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT	☒ NO	☐ YES* *If YES, please identify sub-part: _____
4. Will this project be subject to a NESHAP (National Emission Standards for Hazardous Air Pollutants) regulation? (40 CFR part 61)	☒ NO	☐ YES* *If YES, please identify sub-part: _____
5. Will this project be subject to PSD (Prevention of Significant Deterioration)? (40 CFR section 52.21)	☒ NO	☐ YES
6. Was netting done for this project to avoid PSD?	☒ NO	☐ YES* *If YES, please attach netting calculations

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT

CURRENT PTC APPLICATION ESTIMATES

DEQ Verification Worksheets: Hot Mix Asphalt (HMA) Drum Mix Facility Data

Facility ID/AIRS No.	xxx-xxxxx	Spreadsheet Date	4/18/2008 8:00
Permit No.		HMA Type: Drum Mix or Batch ?	Drum Mix
		Include Silo Fill & Loadout Emissions'	Y
Facility Owner/Company Name:	**Gordon Paving Co., Inc.**		
Address:	**837 Madrona St. S.**		
City, State, Zip:	**Twin Falls, ID 83301**		**PTC & FACWIDE ESTIMATES**
Facility Contact:	**Robert Hansen**		
Contact Number/ e-mail:	**(208) 733-1800**		
Is this HMA facility subject to NSPS? Yes=1,No=0	**1**	Commenced Operations in:	**Year**
Use Short Term Source Factor on 586 ELs? Y or N	**N**	**Use T-RACT on 586 AACC? Y/N**	**N**

Hot Mix Plant AP-42 Section 11.1)	**Input (Bold Color) or Calculated Value (Black)**	**Fuel Type(s)**	**Fuel Type Toggle ("0" or "1")**
Drum Dryer Make/Model	**ADM MM225**	#2 Fuel Oil	**0**
Rated heat input capacity, MMBtu/hr	**75**	Used Oil or RFO4 Oil	**1**
Drum Dryer Hourly Throughput, Tons/hr	**225**	Natural Gas	0
Hours of operation per day	**24**	LPG or Propane	0
Hours of operation per year (=Throughput: Annual/Hourly)	1,200	Exit Gas Volume (acfm)	**45,000**
Max Throughput at Annual Hours, Tons/yr	270,000	Exit Gas Temperature (^{o}F)	**299.6**
Max Throughput (Proposed Limit), T/yr	**270,000**	Stack Pressure (in Hg)	**1.287**
Used Oil max sulfur content (Default is 0.5%)	**0.50%**	Stack Moisture Content, %	**5.00**

Asphalt Tank Heater AP-42, Section 11.1 (oil or natural gas fuel), or Section 1.4 (natural gas fuel)

		Fuel Type(s)	**Fuel Toggle**
Rated heat input capacity (MMBtu)	**2.000**	#2 Fuel Oil	**1**
Hours of operation per day	**24**	[illegible]	0
Operation, days per year	192.00	Natural Gas	**0**
Hours of operation per year	4,608	Indirect Heat or Power? Y or N	**N**
Exit Flow (acfm) or Velocity (fps) **FPS**	**20.2**		
Exhaust exit gas temperature (^{o}F)	**605**		

Tank Heater Fuel Consumption	**#2 Fuel Oil**	**Natural Gas**
Heat Input Rating (MMBtu/hr)	2.000	2.000
Fuel Heating Value, Btu/gal (oil) or Btu/scf (gas)	137,030	**1,050**
Heating Value Correction for Natural Gas EFs, see Note	n/a	1.029
Theoretical Max Fuel Use Rate gal/hr [oil] or scf/hr [gas]	14.60	1,905
Max Operational Hours per Year (Proposed Limit)	4,608.0	4,608

Note: AP-42 EFs for natural gas combustion (Tables 1.4-xx) are based on heat value of 1,020 Btu/scf.
EFs for other fuel heating values must be multiplied by the ratio of the specified heating value to 1,020.

Electrical Generator < 600 hp (447 kW) AP-42 Section 3.3 (diesel fueled)

		Fuel Type(s)	**Fuel Toggle**
Generator Make/Model		#2 Fuel Oil (Diesel)	**0**
		Gasoline	0
EF OPTIONS: Use EFs in lb/hp-hr		**Use EFs in lb/MMBtu**	**0**
1) Input Rated Capacity, kW		Max Fuel Use Rate, gal/hr	
Spreadsheet conversion from kW to hp:		Fuel Heating Value, Btu/gal	
OR 2) Input Rated Capacity, hp		Calculated MMBtu/hr	
Max Operational Hours/Day		Max Operational Hours/Day	
Max Operational Hours per Year (Proposed Limit)		Max Operational Hours/Year	
Note: 1 hp = 0.7456999 kW			

Electrical Generator > 600 hp (447 kW) AP-42 Section 3.4 (diesel or dual fuel)

		Fuel Type(s)	**Fuel Toggle**
Generator Make/Model		#2 Fuel Oil (Diesel)	**0**
		Dual Fuel (diesel/natural gas)	0
FUEL OPTIONS: **#2 Fuel Oil (Diesel)**		Natural Gas Fuel	
Max Sulfur weight percent (w/o)		Max Sulfur w/o	
Max Fuel Use Rate, gal/hr		Max Fuel Use Rate, scf/hr	
Fuel Heating Value, Btu/gal		Fuel Heating Value, Btu/scf	
Calculated MMBtu/hr		Calculated MMBtu/hr	
Max Operational Hours per Day		Max Operational Hours per Day	
Max Operational Hours per Year		Max Operational Hours per Year	

Note: AP-42 Table 3.4-1 EFs are based on dual fuel operation of 5% diesel and 95% natural gas.
Note: AP-42 Tables 3.3-x,3.4-x: avg diesel heating value is based on 19,300 Btu/lb with density equal 7.1 lb/gal=> Btu/gal = 137,030

Facility: Gordon Paving Co., Inc.

4/18/2008 8:00 **Permit/Facility ID:** 0 xxx-xxxxx

CURRENT PTC ESTIMATES

EMISSION INVENTORY

POUNDS PER HOUR

Maximum Controlled Emissions of Any Pollutant from Drum Mix HMA Plant with Fabric Filter, Tank Heater, Generator, Load-out/Silo/Asphalt Stora

A. Drum Mix Plant: **225** Tons/hour **1,200** Hours/year **270,000** Tons/year HMA throughput **24** hrs/day

Maximum emission for each pollutant from any fuel-burning options selected on "Facility Data" worksheet. Fuels Selected = Used Oil

B. Tank Heater: **2.0000** MMBtu Rat **4,608** Hours/year **24** hrs/day

Maximum emission for each pollutant for heater burning any fuel selected on "Facility Data" worksheet. Fuels Selected = #2 Fuel Oil

C. Generator: **0** gal/hour **0** Hours/year Generator>600h **No Generator** #2 Fuel Oil **0** hrs/day

Pollutant	A Drum Mix Max Emission Rate for Pollutant (lb/hr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (lb/hr)	C Generator Max Emission Rate for Pollutant (lb/hr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (lb/hr)	E TOTAL of Max Emission Rates from A, B, C & D (lb/hr)
PM (total)	7.43	2.92E-02	0.00E+00	1.17E-01	7.57
PM-10 (total)	5.18	2.92E-02	0.00E+00	1.17E-01	5.32
P.M.-2.5	0.65	0.00E+00	0.00E+00	1.17E-01	0.77
CO	29.25	7.30E-02	0.00E+00	3.04E-01	29.63
NOx	12.38	2.92E-01	0.00E+00		12.67
SO_2	250.00	3.65E+03	0.00E+00		3898.84
VOC	7.20	8.12E-03	0.00E+00	3.62E-02	7.24
Lead	3.38E-03	2.20E-05	0.00E+00		3.40E-03
HCl [e]	4.73E-02	0.00E+00	0.00E+00		4.73E-02
Dioxins[e]					
2,3,7,8-TCDD	4.73E-11	0.00E+00	0.00E+00		4.73E-11
Total TCDD	2.09E-10	0.00E+00	0.00E+00		2.09E-10
1,2,3,7,8-PeCDD	6.98E-11	0.00E+00	0.00E+00		6.98E-11
Total PeCDD	4.95E-09	0.00E+00	0.00E+00		4.95E-09
1,2,3,4,7,8-HxCDD	9.45E-11	1.01E-11	0.00E+00		1.05E-10
1,2,3,6,7,8-HxCDD	2.93E-10	0.00E+00	0.00E+00		2.93E-10
1,2,3,7,8,9-HxCDD	2.21E-10	1.11E-11	0.00E+00		2.32E-10
Total HxCDD	2.70E-09	0.00E+00	0.00E+00		2.70E-09
1,2,3,4,6,7,8-Hp-CDD	1.08E-09	2.19E-10	0.00E+00		1.30E-09
Total HpCDD	4.28E-09	2.92E-10	0.00E+00		4.57E-09
Octa CDD	5.63E-09	2.34E-09	0.00E+00		7.96E-09
Total PCDD[h]	1.78E-08	2.92E-09	0.00E+00		2.07E-08
Furans[e]					
2,3,7,8-TCDF	2.18E-10	0.00E+00	0.00E+00		2.18E-10
Total TCDF	8.33E-10	4.82E-11	0.00E+00		8.81E-10
1,2,3,7,8-PeCDF	9.68E-10	0.00E+00	0.00E+00		9.68E-10
2,3,4,7,8-PeCDF	1.89E-10	0.00E+00	0.00E+00		1.89E-10
Total PeCDF	1.89E-08	7.01E-12	0.00E+00		1.89E-08
1,2,3,4,7,8-HxCDF	9.00E-10	0.00E+00	0.00E+00		9.00E-10
1,2,3,6,7,8-HxCDF	2.70E-10	0.00E+00	0.00E+00		2.70E-10
2,3,4,6,7,8-HxCDF	4.28E-10	0.00E+00	0.00E+00		4.28E-10
1,2,3,7,8,9-HxCDF	1.89E-09	0.00E+00	0.00E+00		1.89E-09
Total HxCDF	2.93E-09	2.92E-11	0.00E+00		2.95E-09
1,2,3,4,6,7,8-HpCDF	1.46E-09	0.00E+00	0.00E+00		1.46E-09
1,2,3,4,7,8,9-HpCDF	6.08E-10	0.00E+00	0.00E+00		6.08E-10
Total HpCDF	2.25E-09	1.42E-10	0.00E+00		2.39E-09
Octa CDF	1.08E-09	1.75E-10	0.00E+00		1.26E-09
Total PCDF[h]	9.00E-09	4.52E-10	0.00E+00		9.45E-09
Total PCDD/PCDF[h]	2.70E-08	3.36E-09	0.00E+00		3.04E-08
Non-PAH HAPs					
Acetaldehyde[e]	2.93E-01	0.00E+00	0.00E+00		2.93E-01
Acrolein[e]	5.85E-03	0.00E+00	0.00E+00		5.85E-03
Benzene[e]	8.78E-02	0.00E+00	0.00E+00	1.36E-03	8.91E-02
1,3-Butadiene[e]	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Ethylbenzene[e]	5.40E-02	0.00E+00	0.00E+00	8.03E-03	6.20E-02
Formaldehyde[e]	6.98E-01	5.11E-05	0.00E+00	1.97E-02	7.17E-01
Hexane[e]	2.07E-01	0.00E+00	0.00E+00		2.07E-01
Isooctane	9.00E-03	0.00E+00	0.00E+00	2.53E-05	9.03E-03
Methyl Ethyl Ketone[e]	4.50E-03	0.00E+00	0.00E+00	1.53E-03	6.03E-03
Pentane[e]	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Propionaldehyde[e]	2.93E-02	0.00E+00	0.00E+00		2.93E-02
Quinone[e]	3.60E-02	0.00E+00	0.00E+00		3.60E-02
Methyl chloroform[e]	1.08E-02	0.00E+00	0.00E+00	0.00E+00	1.08E-02
Toluene[e]	6.53E-01	0.00E+00	0.00E+00	3.67E-03	6.56E-01
Xylene[e]	4.50E-02	0.00E+00	0.00E+00	1.37E-02	5.87E-02

Pollutant	A Drum Mix Max Emission Rate for Pollutant (lb/hr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (lb/hr)	C Generator Max Emission Rate for Pollutant (lb/hr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (lb/hr)	E TOTAL of Max Emission Rates from A, B, C & D (lb/hr)
PAH HAPs					
2-Methylnaphthalene	3.83E-02	0.00E+00	0.00E+00	4.84E-03	4.31E-02
3-Methylchloranthrene[e]	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Acenaphthene	3.15E-04	7.74E-06	0.00E+00	4.68E-04	7.91E-04
Acenaphthylene	4.95E-03	2.92E-06	0.00E+00	2.95E-05	4.98E-03
Anthracene	6.98E-04	2.63E-06	0.00E+00	1.28E-04	8.28E-04
Benzo(a)anthracene[e]	4.73E-05	0.00E+00	0.00E+00	4.66E-05	9.38E-05
Benzo(a)pyrene[e]	2.21E-06	0.00E+00	0.00E+00	1.76E-06	3.97E-06
Benzo(b)fluoranthene[e]	2.25E-05	1.46E-06	0.00E+00	5.83E-06	2.98E-05
Benzo(e)pyrene	2.48E-05	0.00E+00	0.00E+00	1.14E-05	3.62E-05
Benzo(g,h,I)perylene	9.00E-06	0.00E+00	0.00E+00	1.46E-06	1.05E-05
Benzo(k)fluoranthene[e]	9.23E-06	0.00E+00	0.00E+00	1.69E-06	1.09E-05
Chrysene[e]	4.05E-05	0.00E+00	0.00E+00	1.99E-04	2.39E-04
Dibenzo(a,h)anthracene	0.00E+00	0.00E+00	0.00E+00	2.84E-07	2.84E-07
Dichlorobenzene	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Fluoranthene	1.37E-04	6.42E-07	0.00E+00	1.24E-04	2.62E-04
Fluorene	2.48E-03	4.67E-07	0.00E+00	1.17E-03	3.64E-03
Indeno(1,2,3-cd)pyrene[e]	1.58E-06	0.00E+00	0.00E+00	3.61E-07	1.94E-06
Naphthalene[e]	1.46E-01	2.48E-04	0.00E+00	2.00E-03	1.48E-01
Perylene	1.98E-06	0.00E+00	0.00E+00	3.40E-05	3.60E-05
Phenanthrene	5.18E-03	7.15E-05	0.00E+00	1.65E-03	6.90E-03
Pyrene	6.75E-04	4.67E-07	0.00E+00	3.66E-04	1.04E-03
Non-HAP Organic Compounds					
Acetone[e]	1.87E-01	0.00E+00	0.00E+00	1.95E-03	1.89E-01
Benzaldehyde	2.48E-02	0.00E+00	0.00E+00		2.48E-02
Butane	1.51E-01	0.00E+00	0.00E+00		1.51E-01
Butyraldehyde	3.60E-02	0.00E+00	0.00E+00		3.60E-02
Crotonaldehyde[e]	1.94E-02	0.00E+00	0.00E+00		1.94E-02
Ethylene	1.58E+00	0.00E+00	0.00E+00	3.68E-02	1.61E+00
Heptane	2.12E+00	0.00E+00	0.00E+00		2.12E+00
Hexanal	2.48E-02	0.00E+00	0.00E+00		2.48E-02
Isovaleraldehyde	7.20E-03	0.00E+00	0.00E+00		7.20E-03
2-Methyl-1-pentene	9.00E-01	0.00E+00	0.00E+00		9.00E-01
2-Methyl-2-butene	1.31E-01	0.00E+00	0.00E+00		1.31E-01
3-Methylpentane	4.28E-02	0.00E+00	0.00E+00		4.28E-02
1-Pentene	4.95E-01	0.00E+00	0.00E+00		4.95E-01
n-Pentane	4.73E-02	0.00E+00	0.00E+00		4.73E-02
Valeraldehyde[e]	1.51E-02	0.00E+00	0.00E+00		1.51E-02
Metals					
Antimony[e]	4.05E-05	7.66E-05	0.00E+00		1.17E-04
Arsenic[e]	1.26E-04	1.93E-05	0.00E+00		1.45E-04
Barium[e]	1.31E-03	3.75E-05	0.00E+00		1.34E-03
Beryllium[e]	0.00E+00	4.06E-07	0.00E+00		4.06E-07
Cadmium[e]	9.23E-05	5.81E-06	0.00E+00		9.81E-05
Chromium[e]	1.24E-03	1.23E-05	0.00E+00		1.25E-03
Cobalt[e]	5.85E-06	8.79E-05	0.00E+00		9.37E-05
Copper[e]	6.98E-04	2.57E-05	0.00E+00		7.23E-04
Hexavalent Chromium[e]	1.01E-04	3.62E-06	0.00E+00		1.05E-04
Manganese[e]	1.73E-03	4.38E-05	0.00E+00		1.78E-03
Mercury[e]	5.85E-04	1.65E-06	0.00E+00		5.87E-04
Molybdenum[e]	0.00E+00	1.15E-05	0.00E+00		1.15E-05
Nickel[e]	1.42E-02	1.23E-03	0.00E+00		1.54E-02
Phosphorus[e]	6.30E-03	1.38E-04	0.00E+00		6.44E-03
Silver[e]	1.08E-04	0.00E+00	0.00E+00		1.08E-04
Selenium[e]	7.88E-05	9.97E-06	0.00E+00		8.87E-05
Thallium[e]	9.23E-07	0.00E+00	0.00E+00		9.23E-07
Vanadium[e]	0.00E+00	4.64E-04	0.00E+00		4.64E-04
Zinc[e]	1.37E-02	4.25E-04	0.00E+00		1.41E-02

e) IDAPA Toxic Air Pollutant

Facility: Gordon Paving Co., Inc.

CURRENT PTC ESTIMATES

4/18/2008 8:00 Permit/Facility ID: 0 xxx-xxxxx

EMISSION INVENTORY

POUNDS PER HOUR

'age Max Emissions of Any Pollutant from Drum Mix HMA Plant: Fabric Filter, Tank Heater, Generator, Load-out/Silo/Asphalt Storage

A. Drum Mix Plant: 225 Tons/hour 1,200 Hours/year 270,000 Tons/year HMA throughput 24 hrs/day
Maximum emission for each pollutant from any fuel-burning option selected. Fuels Selected = Used Oil

B. Tank Heater: 2.0000 MMBtu Rated 4,608 Hours/year 24 hrs/day
Maximum emission for each pollutant from any fuel-burning option selected. Fuels Selected = #2 Fuel Oil

C. Generator: 0 gal/hour 0 Hours/year No Generator #2 Fuel Oil Generator>600hp 0 hrs/day

Pollutant	A **Drum Mix** Max Emission Rate for Pollutant (lb/hr)	B **Asphalt Tank Heater** Max Emission Rate for Pollutant (lb/hr)	C **Generator** Max Emission Rate for Pollutant (lb/hr)	D **Load-out, Silo Filling, & Tank Storage** Emission Rate for Pollutant (lb/hr)	E **TOTAL** of Max Emission Rates from A, B, C & D (lb/hr)
non-PAH HAPs[e]					
Bromomethane[e]				1.36E-04	1.36E-04
2-Butanone (see Methyl Ethyl Ketone)					0.00E+00
Carbon disulfide[e]				2.71E-04	2.71E-04
Chloroethane (Ethyl chloride[e])				3.94E-05	3.94E-05
Chloromethane (Methyl chloride[e])				3.56E-04	3.56E-04
Cumene				1.03E-03	1.03E-03
n-Hexane				0.00E+00	0.00E+00
Methylene chloride (Dichloromethane[e])				2.53E-06	2.53E-06
MTBE				0.00E+00	0.00E+00
Styrene[e]				1.19E-04	1.19E-04
Tetrachloroethene (Tetrachloroethylene[e])				7.21E-05	7.21E-05
1,1,1-Trichloroethane (Methyl chloroform[e])				0.00E+00	0.00E+00
Trichloroethene (Trichloroethylene[e])				0.00E+00	0.00E+00
Trichlorofluoromethane				1.22E-05	1.22E-05
m-/p-Xylene[e]				5.71E-03	5.71E-03
o-Xylene[e]				8.02E-03	8.02E-03
Phenol[e,f]				9.05E-04	9.05E-04
Non-HAP Organic Compounds					
Methane				3.04E-01	3.04E-01

e) IDAPA Toxic Air Pollutant

Facility: Gordon Paving Co., Inc.

4/18/2008 8:00 **Permit/Facility ID:** 0 xxx-xxxxx

CURRENT PTC ESTIMATES

EMISSION INVENTORY

TONS PER YEAR

Maximum Controlled Emissions of Any Pollutant from Drum Mix HMA Plant with Fabric Filter, Tank Heater, Generator, Load-out/Silo/Asphalt Stora

A. Drum Mix Plant: **225** Tons/hour **1,200** Hours/year **270,000** Tons/year HMA throughput **24** hrs/day

Maximum emission for each pollutant from any fuel-burning options selected on "Facility Data" worksheet. Fuels Selected = Used Oil

B. Tank Heater: **2.0000** MMBtu Rat **4,608** Hours/year **24** hrs/day

Maximum emission for each pollutant for heater burning any fuel selected on "Facility Data" worksheet. Fuels Selected = #2 Fuel Oil

C. Generator: **0** gal/hour **0** Hours/year Generator>600h **No Generator** #2 Fuel Oil **0** hrs/day

Pollutant	A Drum Mix Max Emission Rate for Pollutant (T/yr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (T/yr)	C Generator Max Emission Rate for Pollutant (T/yr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (T/yr)	E TOTAL of Max Emission Rates from A, B, & C (T/yr) Exclude Fugitives from D
PM (total)	4.46	6.73E-02	0.00E+00	7.05E-02	4.52
PM-10 (total)	3.11	6.73E-02	0.00E+00	7.05E-02	3.17
P.M.-2.5	0.39	0.00E+00	0.00E+00	7.05E-02	0.39
CO	17.55	1.68E-01	0.00E+00	1.82E-01	17.72
NOx	7.43	6.73E-01	0.00E+00		8.10
SO_2	250.00	8.41E+03	0.00E+00		8656.92
VOC	4.32	1.87E-02	0.00E+00	2.17E-02	4.34
Lead	2.03E-03	5.08E-05	0.00E+00		2.08E-03
HCl[e]	2.84E-02	0.00E+00	0.00E+00		2.84E-02
Dioxins[e]					
2,3,7,8-TCDD	2.84E-11	0.00E+00	0.00E+00		2.84E-11
Total TCDD	1.26E-10	0.00E+00	0.00E+00		1.26E-10
1,2,3,7,8-PeCDD	4.19E-11	0.00E+00	0.00E+00		4.19E-11
Total PeCDD	2.97E-09	0.00E+00	0.00E+00		2.97E-09
1,2,3,4,7,8-HxCDD	5.67E-11	2.32E-11	0.00E+00		7.99E-11
1,2,3,6,7,8-HxCDD	1.76E-10	0.00E+00	0.00E+00		1.76E-10
1,2,3,7,8,9-HxCDD	1.32E-10	2.56E-11	0.00E+00		1.58E-10
Total HxCDD	1.62E-09	0.00E+00	0.00E+00		1.62E-09
1,2,3,4,6,7,8-Hp-CDD	6.48E-10	5.04E-10	0.00E+00		1.15E-09
Total HpCDD	2.57E-09	6.73E-10	0.00E+00		3.24E-09
Octa CDD	3.38E-09	5.38E-09	0.00E+00		8.76E-09
Total PCDD[h]	1.07E-08	6.73E-09	0.00E+00		1.74E-08
Furans[e]					
2,3,7,8-TCDF	1.31E-10	0.00E+00	0.00E+00		1.31E-10
Total TCDF	5.00E-10	1.11E-10	0.00E+00		6.10E-10
1,2,3,7,8-PeCDF	5.81E-10	0.00E+00	0.00E+00		5.81E-10
2,3,4,7,8-PeCDF	1.13E-10	0.00E+00	0.00E+00		1.13E-10
Total PeCDF	1.13E-08	1.61E-11	0.00E+00		1.14E-08
1,2,3,4,7,8-HxCDF	5.40E-10	0.00E+00	0.00E+00		5.40E-10
1,2,3,6,7,8-HxCDF	1.62E-10	0.00E+00	0.00E+00		1.62E-10
2,3,4,6,7,8-HxCDF	2.57E-10	0.00E+00	0.00E+00		2.57E-10
1,2,3,7,8,9-HxCDF	1.13E-09	0.00E+00	0.00E+00		1.13E-09
Total HxCDF	1.76E-09	6.73E-11	0.00E+00		1.82E-09
1,2,3,4,6,7,8-HpCDF	8.78E-10	0.00E+00	0.00E+00		8.78E-10
1,2,3,4,7,8,9-HpCDF	3.65E-10	0.00E+00	0.00E+00		3.65E-10
Total HpCDF	1.35E-09	3.26E-10	0.00E+00		1.68E-09
Octa CDF	6.48E-10	4.04E-10	0.00E+00		1.05E-09
Total PCDF[h]	5.40E-09	1.04E-09	0.00E+00		6.44E-09
Total PCDD/PCDF[h]	1.62E-08	7.73E-09	0.00E+00		2.39E-08
Non-PAH HAPs					
Acetaldehyde[e]	1.76E-01	0.00E+00	0.00E+00		1.76E-01
Acrolein[e]	3.51E-03	0.00E+00	0.00E+00		3.51E-03
Benzene[e]	5.27E-02	0.00E+00	0.00E+00	8.18E-04	5.27E-02
1,3-Butadiene[e]	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Ethylbenzene[e]	3.24E-02	0.00E+00	0.00E+00	4.82E-03	3.24E-02
Formaldehyde[e]	4.19E-01	1.18E-04	0.00E+00	1.18E-02	4.19E-01
Hexane[e]	1.24E-01	0.00E+00	0.00E+00		1.24E-01
Isooctane	5.40E-03	0.00E+00	0.00E+00	1.52E-05	5.40E-03
Methyl Ethyl Ketone[e]	2.70E-03	0.00E+00	0.00E+00	9.17E-04	2.70E-03
Pentane[e]	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Propionaldehyde[e]	1.76E-02	0.00E+00	0.00E+00		1.76E-02
Quinone[e]	2.16E-02	0.00E+00	0.00E+00		2.16E-02
Methyl chloroform[e]	6.48E-03	0.00E+00	0.00E+00	0.00E+00	6.48E-03
Toluene[e]	3.92E-01	0.00E+00	0.00E+00	2.20E-03	3.92E-01
Xylene[e]	2.70E-02	0.00E+00	0.00E+00	8.24E-03	2.70E-02
TOTAL PAH HAPs (T/yr) =					**1.20E-01**
TOTAL Federal HAPs (T/yr)=					**1.46E+00**
TOTAL Idaho TAPs (T/yr) =					**1.58E+00**

Pollutant	A Drum Mix Max Emission Rate for Pollutant (T/yr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (T/yr)	C Generator Max Emission Rate for Pollutant (T/yr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (T/yr)	E TOTAL of Max Emission Rates from A, B, & C (T/yr) Exclude Fugitives from D
PAH HAPs					
2-Methylnaphthalene	2.30E-02	0.00E+00	0.00E+00	2.90E-03	2.30E-02
3-Methylchloranthrene[e]	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Acenaphthene	1.89E-04	1.78E-05	0.00E+00	2.81E-04	2.07E-04
Acenaphthylene	2.97E-03	6.73E-06	0.00E+00	1.77E-05	2.98E-03
Anthracene	4.19E-04	6.05E-06	0.00E+00	7.68E-05	4.25E-04
Benzo(a)anthracene[e]	2.84E-05	0.00E+00	0.00E+00	2.79E-05	2.84E-05
Benzo(a)pyrene[e]	1.32E-06	0.00E+00	0.00E+00	1.06E-06	1.32E-06
Benzo(b)fluoranthene[e]	1.35E-05	3.36E-06	0.00E+00	3.50E-06	1.69E-05
Benzo(e)pyrene	1.49E-05	0.00E+00	0.00E+00	6.85E-06	1.49E-05
Benzo(g,h,I)perylene	5.40E-06	0.00E+00	0.00E+00	8.75E-07	5.40E-06
Benzo(k)fluoranthene[e]	5.54E-06	0.00E+00	0.00E+00	1.01E-06	5.54E-06
Chrysene[e]	2.43E-05	0.00E+00	0.00E+00	1.19E-04	2.43E-05
Dibenzo(a,h)anthracene	0.00E+00	0.00E+00	0.00E+00	1.70E-07	0.00E+00
Dichlorobenzene	0.00E+00	0.00E+00	0.00E+00		0.00E+00
Fluoranthene	8.24E-05	1.48E-06	0.00E+00	7.44E-05	8.38E-05
Fluorene	1.49E-03	1.08E-06	0.00E+00	7.01E-04	1.49E-03
Indeno(1,2,3-cd)pyrene[e]	9.45E-07	0.00E+00	0.00E+00	2.16E-07	9.45E-07
Naphthalene[e]	8.78E-02	5.72E-04	0.00E+00	1.20E-03	8.83E-02
Perylene	1.19E-06	0.00E+00	0.00E+00	2.04E-05	1.19E-06
Phenanthrene	3.11E-03	1.65E-04	0.00E+00	9.90E-04	3.27E-03
Pyrene	4.05E-04	1.08E-06	0.00E+00	2.20E-04	4.06E-04
Non-HAP Organic Compounds					
Acetone[e]	1.12E-01	0.00E+00	0.00E+00	1.17E-03	1.12E-01
Benzaldehyde	1.49E-02	0.00E+00	0.00E+00		1.49E-02
Butane	9.05E-02	0.00E+00	0.00E+00		9.05E-02
Butyraldehyde	2.16E-02	0.00E+00	0.00E+00		2.16E-02
Crotonaldehyde[e]	1.16E-02	0.00E+00	0.00E+00		1.16E-02
Ethylene	9.45E-01	0.00E+00	0.00E+00	2.21E-02	9.45E-01
Heptane	1.27E+00	0.00E+00	0.00E+00		1.27E+00
Hexanal	1.49E-02	0.00E+00	0.00E+00		1.49E-02
Isovaleraldehyde	4.32E-03	0.00E+00	0.00E+00		4.32E-03
2-Methyl-1-pentene	5.40E-01	0.00E+00	0.00E+00		5.40E-01
2-Methyl-2-butene	7.83E-02	0.00E+00	0.00E+00		7.83E-02
3-Methylpentane	2.57E-02	0.00E+00	0.00E+00		2.57E-02
1-Pentene	2.97E-01	0.00E+00	0.00E+00		2.97E-01
n-Pentane[e]	2.84E-02	0.00E+00	0.00E+00		2.84E-02
Valeraldehyde[e]	9.05E-03	0.00E+00	0.00E+00		9.05E-03
Metals					
Antimony[e]	2.43E-05	1.77E-04	0.00E+00		2.01E-04
Arsenic[e]	7.56E-05	4.44E-05	0.00E+00		1.20E-04
Barium[e]	7.83E-04	8.64E-05	0.00E+00		8.69E-04
Beryllium[e]	0.00E+00	9.35E-07	0.00E+00		9.35E-07
Cadmium[e]	5.54E-05	1.34E-05	0.00E+00		6.87E-05
Chromium[e]	7.43E-04	2.84E-05	0.00E+00		7.71E-04
Cobalt[e]	3.51E-06	2.02E-04	0.00E+00		2.06E-04
Copper[e]	4.19E-04	5.92E-05	0.00E+00		4.78E-04
Hexavalent Chromium[e]	6.08E-05	8.34E-06	0.00E+00		6.91E-05
Manganese[e]	1.04E-03	1.01E-04	0.00E+00		1.14E-03
Mercury[e]	3.51E-04	3.80E-06	0.00E+00		3.55E-04
Molybdenum[e]	0.00E+00	2.65E-05	0.00E+00		2.65E-05
Nickel[e]	8.51E-03	2.84E-03	0.00E+00		1.13E-02
Phosphorus[e]	3.78E-03	3.18E-04	0.00E+00		4.10E-03
Silver[e]	6.48E-05	0.00E+00	0.00E+00		6.48E-05
Selenium[e]	4.73E-05	2.30E-05	0.00E+00		7.02E-05
Thallium[e]	5.54E-07	0.00E+00	0.00E+00		5.54E-07
Vanadium[e]	0.00E+00	1.07E-03	0.00E+00		1.07E-03
Zinc[e]	8.24E-03	9.79E-04	0.00E+00		9.21E-03

e) IDAPA Toxic Air Pollutant